

Abstract – BEER 2017 – Joe Olson (Senior Manager, Big Data Analytics - United Airlines)

The reproducibility of scientific or statistical findings in research has recently drawn greater scrutiny from the scientific community, the media, and the U.S. government. It is more important than ever. The emerging class of open source data management tools and cloud resources are providing new and innovative ways of allowing researchers to store and document data and statistical models, thereby improving accessibility and meeting publicly funded grant requirements. By lowering the cost of storage and promoting access, these tools can aid in the struggle to distinguish signal from noise arising during research, thereby increasing overall effectiveness.